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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/989,397	11/21/2001	Won-Uk Yu	P-0295	1296

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EXAMINER

VU, THANH T

ART UNIT PAPER NUMBER

2174

DATE MAILED: 02/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/989,397	YU, WON-UK	
	Examiner	Art Unit	
	Thanh T. Vu	2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2004.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### DETAILED ACTION

This communication is responsive to Amendment, filed 10/14/2004.

Claims 1-24 are pending in this application. In the Amendment, claims 1, 2, 7-14, 19, and 21-23 were amended. This action is made Final.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rosin (US 6,411,307) and Stautner et al (U.S. Pat. No. 6,172,677).

As per claim 1, Rosin teaches a method for displaying a video and audio information of an Internet site on the screen of a video apparatus, comprising: generating an Internet site search menu when an internet channel guide key is signaled by the user (col. 4, lines 38-44), said search menu including a channel guide window for arranging channel numbers, corresponding to previously registered addresses of Internet sites, titles of the internet sites respectively corresponding to the channel numbers and a channel number range designation window for rearranging the channel numbers, and displaying the Internet site search menu on the screen of the video apparatus (Figs. 5 and 7, *guide page*, col.2, lines 52-67; col.7, lines 9-17, *preselected and preategorized web pages of interest*). Rosin does not specifically teach titles of the Internet

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sites respectively corresponding in a one-to-one correspondence to the channel numbers.

However, Stautner teaches titles of the Internet sites respectively corresponding in a one-to-one correspondence to the channel numbers (see fig. 2; col. 3, lines 40-67; col. 5, lines 15-35).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide additional information corresponding to a channel in the invention of Rosin in order to provide user with interactive links with diverse content sources such as advertisement graphics or special interest messages and provides embedded control for accessing the WWW.

As per claim 2, Rosin teaches displaying an initial screen of the recently stored Internet site on the screen of the video apparatus when the user selects an Internet mode (Fig.8, col.9, lines 36-48, *internet web pages presented as distinct channels; col.2, lines 52-60, internet content channel is selected and displayed*).

As per claim 3, Rosin teaches wherein the initial screen of the Internet site is periodically updated (col.7, lines 23-29, *guide page periodically updated*).

As per claim 4, Rosin teaches wherein the Internet site search menu further comprises a channel update selection window for periodically updating the video and audio information of the Internet site corresponding to the channel number desired by the user among the channel numbers (col.7, lines 18-29, *templates, guide page may be modified, adapted, updated*).

As per claim 5, Rosin teaches wherein the video apparatus is a television, in which an armored set-top box or an Internet module is loaded (Fig.1, col.4, lines 19-23, *set-top box 12 which is connected to or integrated within a television appliance*).

As per claim 6, Rosin teaches wherein a predetermined range selected by the user among the predetermined ranges is displayed to be different from the ranges that are not selected by the user in color and brightness and to have a three-dimensional outline (Figs. 5 & 6, col.7, line 46-col.8, line 4, *predetermined links are highlighted*; Fig.8, col.9, lines 49-60, *rotary wheel menu 80 appear to occupy three dimensional space*) .

As per claims 7-8, Rosin teaches wherein the Internet site search menu further comprises a goto window including goto keys for moving to the addresses of the Internet sites corresponding to the channel numbers (Fig.6, *GOTO URL*) and displaying the channel number corresponding to the goto key selected by the user among the goto keys in the form of an on screen display (OSD) (col.8, lines 27-34, *page or document at the URL is displayed*).

Claims 13-20 are similar in scope to claims 1-8 respectively and therefore are rejected under similar rationale.

As per claims 9-10, Rosin teaches wherein the Internet site search menu further comprises a modification window (col.7, lines 18-28, *templates, the guide page may be modified, adapted, and updated*). Rosin does not specifically disclose a registration and deletion window including a registration key for registering the Internet site desired by the user by a channel number, and a deletion key for deleting the Internet site. Official Notice is given that the use of a registration and deletion key is well known in the art. It would have been obvious to an artisan at the time of the invention to combine the use of these keys to allow users to modify and update their selection choices.

As per claim 11, Rosin teaches the method of displaying video and audio information of an Internet site on the screen of a video apparatus and modification and updating of such information (col.7, lines 18-28, *templates, the guide page may be modified, adapted, and updated*). Rosin does not specifically teach wherein a deletion warning message is displayed on the screen of the video apparatus and the corresponding Internet channel is deleted when the user clicks a deletion key in the registration/modification/deletion window. Official Notice is given that the use of deletion warning message is notoriously well known in the art. It would have been obvious to an artisan at the time of the invention to combine the use of deletion warning messages in order to alert the user prior to finalizing their selection choices.

As per claim 12, Rosin teaches the Internet site search menu and storing the addresses of the Internet sites corresponding to the registered channel numbers (Fig.1, *Data Storage*). Rosin does not specifically disclose registering the channel numbers through the registration/modification/deletion window. Official Notice is given that the use of such window is well known in the art. It would have been obvious to an artisan at the time of the invention to combine the use of such window to allow the user to input information in order to customize their selection choices.

Claims 21-24 are similar in scope to claims 9-12 respectively and therefore are rejected under similar rationale.

### ***Response to Arguments***

Applicant's arguments with respect to the amendment have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

***Inquiries***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh T. Vu whose telephone number is (571) 272-4073. The examiner can normally be reached on Mon-Thur and every other Fri 8:30 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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